

**Figure 1A**

No.	Kinase-Subclass	Family	Sub	Protein	$\alpha$ D sequence
1	Serine/Threonine	RAF		c-Raf	TQWCEGSSLYKHLHVQETK F
2	Serine/Threonine	RAF		Araf	TQWCEGSSLYHHLHVADTR F
3	Serine/Threonine	RAF		Braf	TQWCEGSSLYHHLHHIETKF
4	Serine/Threonine	CAPK		cAPKa	MEYVPGGEMFSLRRIGRF
4	Serine/Threonine	CAPK		cAPKb	MEYVPGGEMFSLRRIGRF
5	Serine/Threonine	CAPK		cAPKg	MEYVPGGEMFSRLQRVGRF
6	Serine/Threonine	PKC		PKCa	MEYVNGGDLMYHIQQVVGK F
7	Serine/Threonine	PKC		PKCb	MEYVNGGDLMYHIQQVGR F
8	Serine/Threonine	PKC		PKCg	MEYVTGGDLMYHIQQLGKF
9	Serine/Threonine	PKC		PKCd	MEFLNGGDLMFHIQDKGRF
10	Serine/Threonine	PKC		PKCe	MEYVNGGDLMFQIQRSRKF
11	Serine/Threonine	PKC		PKCet	MEFVNGGDLMFHIQKSRRF
12	Serine/Threonine	PKC		PKCth	MEYLNNGGDLMYHIQSCHKF

**Figure 1B**

13	Serine/Threonine	Akt/PKB		Akt1/Raca	MEYANGGELFFHLSRERVF
13	Serine/Threonine	Akt/PKB		Akt2/Racb	MEYANGGELFFHLSRERVF
14	Serine/Threonine	GSK3		GSK3a	LEYVPETVYRVARHFTKAK LII
15	Serine/Threonine	GSK3		GSK3b	LDYVPETVYRVARHYSRAK QTL
16	Serine/Threonine	CK II		CK IIa	FEHVNNTDFKQLYQTL
17	Serine/Threonine	CK II		CK IIa'	FEYNNTDFKQLYQIL
18	Serine/Threonine	bARK1,2		bARK1	LDLMNGGDLHYHLSQHG VF
18	Serine/Threonine	bARK1,2		bARK2	LDLMNGGDLHYHLSQHG VF
19	Serine/Threonine	GRK1		GRK1	MTIMNGGDIRYHIYNVDE NPGF
20	Serine/Threonine	GRK4		GRK4	LTIMNGGDLKFHIYNLGN PFG
21	Serine/Threonine	GRK5		GRK5	LTIMNGGDLKFHIYNMGN PFG
22	Serine/Threonine	GRK6		GRK6	LTLMNGGDLKFHIYHMG QA GF

**Figure 1C**

23	Serine/Threonine	CaMK		CaMK I	MQLVSGGELFDRIVEKGGY
24	Serine/Threonine	CaMK		CaMK IIa	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IIb	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IIg	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IId	FDLVTGGELFEDIVAREYY
25	Serine/Threonine	POLO		Plk	LELCRRRSLLELHKRRKAL
26	Serine/Threonine	POLO		Plx1	LELCRRRSLLELHKRRKAV
27	Serine/Threonine	POLO		polo	LELCCKRSMMELELHKRRKSI
28	Serine/Threonine	POLO		SNK	LEYCSRSMMAHILKARKVL
29	Serine/Threonine	POLO		CDC5	LEICPNGSLMELLKRRKVL
30	Serine/Threonine	POLO		Sak	LEMCHNGEMNRYLKNRVK PF
31	Serine/Threonine	POLO		Prk	LELC SRKSLAHIWKARHTL

**Figure 1D**

31	Serine/Threonine	POLO		Fnk	LELC SRKSLAHIWKARHTL
32	Serine/Threonine	POLO		Plol	LELCEHKSLMELLRK RKQL
33	Serine/Threonine	MARK/p 78		MARK1	MEYASGGEVFDYLV AHGR M
33	Serine/Threonine	MARK/p 78		MARK2	MEYASGGEVFDYLV AHGR M
34	Serine/Threonine	MARK/p 78		P78	MEYASGGKVFDYLV AHGR M
35	Serine/Threonine	CDK		CDK2	FEFLHQDLKKFMDASALTGI
36	Serine/Threonine	CDK		CDK4	FEHVDQDLRTYLDKAPPPG L
37	Serine/Threonine	CDK		CDK6	FEHVDQDLTTYLDKVPEPG V
38	Tyrosine	SRC		c-Src	TEYMSKGSLLDFLKGETGK YL
39	Tyrosine	SRC		c-Yes	TEFMSKGSLLDFLKEGDGK YL
40	Tyrosine	SRC		Fyn	TEYMNKGSLLDLFLKDGEGR AL
41	Tyrosine	SRC		c-Fgr	TEFMCHGSLLDFLKNPEGQ DL

**Figure 1E**

42	Tyrosine	LYN/HC K		Lyn	TEYMAKGSLDFLKSDEGG KV
43	Tyrosine	LYN/HC K		Hck	TEFMAKGSLDFLKSDEGS KQ
44	Tyrosine	LCK		Lck	TEYMENGSLVDFLKTPSGIK L
45	Tyrosine	CSK		Csk	TEYMAKGSLVDYLRSGRS VL
46	Tyrosine	CSK		Matk	MEHVSKGNLVNFLRTRGRA LV
47	Tyrosine	FAK		Fak	MELCTLGELRSFLQVRKYSL
48	Tyrosine	ABL		c-Abl	TEFMTYGNLLDYLRECNRQ EV
49	Tyrosine	ENDOTH ELIAL	Tie/Tek	Tie	IEYAPYGNLLDFLRKSRVLE TDPAFAREHGTASTL
50	Tyrosine	ENDOTH ELIAL	Tie/Tek	Tek	IEYAPHGNLLDFLRKSRVLE TDPAFAIANSTASTL
51	Tyrosine	ENDOTH ELIAL	FGFR	Flg	VEYASKGNLREYLQARRPP GLEYCYNPSHNPEEQ
52	Tyrosine	ENDOTH ELIAL	FGFR	Bek	VEYASKGNLREYLRRARRPP GMEYSYDINRVPEEQM
53	Tyrosine	ENDOTH ELIAL	FGFR	FGFR-3	VEYAAKGNLREFLRARRPP GLDYSFDTCKPPEEQ

**Figure 1F**

54	Tyrosine	ENDOTH ELIAL	FGFR	FGFR-4	VECAAKGNLREFLRARRPP GPDLSPDGPRSSEGPL
55	Tyrosine	ENDOTH ELIAL	PDGFR	PDGFR-a	TEYCFYGDLVNYLHKNRDS FLSHHPEKPKKELDIFGLNP A
56	Tyrosine	ENDOTH ELIAL	PDGFR	PDGFR-b	TEYCRYGDLVDYLHRNKHT FLQHHSDKRRPPSAELYSNA L
57	Tyrosine	ENDOTH ELIAL	Flt/Flk	Flt1	VEYCKYGNLSNYLKSKRDL FFLNKDAALHMEPKKEKME PG
58	Tyrosine	ENDOTH ELIAL	Flt/Flk	Flt4	VEFCKYGNLSNFLRAKRDA FSPCAEKSPEQRGRFRAMV EL
59	Tyrosine	ENDOTH ELIAL	Flt/Flk	Flk1	VEFSKFGNLSTYLGRKNEF VPYKSKGARFRQGKDYVGE L
60	Tyrosine	HGFR		c-Met	LPYMKHGDLRNFINETHN P
61	Tyrosine	HGFR		c-Sea	LPYMRHGDLRHFIRAQERSP
62	Tyrosine	HGFR		Ron	LPYMCHGDLLQFIRSPQRNP
63	Tyrosine	EGFR		EGFR	TQLMPFGCLLDYVREHKDN I
64	Tyrosine	EGFR		ErbB2	TQLMPYGCLLDHVRENRRGR L
65	Tyrosine	EGFR		ErbB3	TQYLPLGSLLDHVRQHRGA L

**Figure 1G**

66	Tyrosine	EGFR		ErbB4	TQLMPHGCLLEYVHEHKDN I
67	Tyrosine	RET		Ret	VEYAKYGSLRGFLRESRKV GPGYLGSGGSRNSSSLDHPD ERAL
68	Tyrosine	TRK- NGFR		Trk - NGFR	FEYMRHGDLNRFLRSHGPD AKLLAGGEDVAPGPL
69	Tyrosine	TRK- NGFR		TrkB	FEYMKHGDNLNKLRAHGPD AVLMAEGNPPTTEL
70	Tyrosine	TRK- NGFR		TrkC	FEYMKHGDNLNKLRAHGPD AMILVDGQPRQAKGEL
71	Tyrosine	SYK/ZA P70		Syk	MEMAELGPLNKYLQQNRH V
72	Tyrosine	SYK/ZA P70		Zap70	MEMAGGGPLHKFLVGKRE EI
73	Tyrosine	TYK/JA K		Jak1	MEFLPSGSLKEYLPKNKNKI
74	Tyrosine	TYK/JA K		Jak2	MEYLPYGSLRDYQLQHKER I
75	Tyrosine	TYK/JA K		Jak3	MEYLPYGSLRDYQLQHKER L
76	Tyrosine	TYK/JA K		Tyk2	MEYVPLGSLRDYLPRHSI
77	Serine/Threonine	IAK		Iak1	LEYAPLGTVYRELQKLSKF

**Figure 1H**

78	Serine/Threonine	CHK		Chk1	LEYCSGGELFDRIEPDIGM
79	Serine/Threonine	IKK		IKK-1	MEYCSGGDLRKLLNKPENC CGL
80	Serine/Threonine	IKK		IKK-2	MEYCQGGDLRKYLNQFEN CCGL
81	Serine/Threonine	DAPK		DAPK	LELVAGGELFDFLAEKESL
82	Tyrosine	IRK		IRK	MELMAHGDLSYLRSLRPE AENNPGRPPPTL
83	Serine/Threonine	Activin/T GFbR	TGFbR	TGFbRII	TAFHAKGNLQEYLTRHVI
84	Serine/Threonine	Activin/T GFbR	ACTR	ACTRIIA	TAFHEKGSLSDFLKANVV
85	Serine/Threonine	Activin/T GFbR	ACTR	ACTRIIB	TAFHDKGSLTDYLGKNII
86	Serine/Threonine	Activin/T GFbR	ALK	ALK1	THYHEHGSLYDFLQRQTL
87	Serine/Threonine	Activin/T GFbR	ALK	ALK2	THYHEMGSLYDYQLTTL
88	Serine/Threonine	Activin/T GFbR	ALK	ALK3	TDYHENGSLYDFLEKCATL
89	Serine/Threonine	Activin/T GFbR	ALK	ALK4	SDYHEHGSLFDYLNRYTV



**Figure 1I**

89	Serine/Threonine	Activin/T GFbR	ALK	ALK5	SDYHEHGSLFDYLNRYTV
90	Serine/Threonine	Activin/T GFbR	ALK	ALK6	TDYHENGSLYDYLKSTTL
91	Tyrosine	DDR		DDR1	TDYMENGDLNQFLSAHQL
92	Tyrosine	DDR		DDR2	TEYMENGDLNQFLSRHEP
93	Serine/Threonine	ILK		ILK	THWMPYGSLYNVLHEGTNF VV
94	Tyrosine	MAPK		JNK	MELMDANLCQVIQMEL

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**Figure 2B**

bARK1	L D L M N G G D L H Y H L S Q H G V F N P G F
bARK2	M T I I Q A A E I R F I Y N V D E D G F A W
GRK1	I E M L * M K W M T H L E N P Q W Y
GRK4	V S V V V V F M A Q A A Y
GRK5	* W I * I W
GRK6	L Y
	M E
	D G
	* *

CaMK I	M Q L V S G G E L F D R I V E K G G Y
CaMK IIa	F D I I T A A D I W E D L I A R E Y F
CaMK IIb	W N M L * M Y * K M L D D F W
CaMK IIg	Y E V M V E V M G A W
CaMK IId	I * * * A
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Plk	L E L C R R R S L L E L H K R R K A L F
Plx1	I D I S K K G E M M A I L R A H S V W
Polo	M * Y S N K D I N R Y W N V V I Y
SNK	V M P H A T V A H M I K R K P
CDC5	V H Q * I D V M Q I T M
Sak	F E V K F V G L Q
Prk	W T Q G W F M T
Fnk	D G * Y I
Plol	* L
	M
	R
	N
	G

P78	M E Y A S G G E V F D Y L V A H G R M
MARK1	L D F G T A A K I W E F I I G A K I
MARK2	I * W D L Y * W M L L
Par1	V R M V M V
	*

CDK2	F E F L H Q D L K K F M D A V A L T G I
CDK4	W D H V D N E I R T Y L E K S P P A L
CDK6	Y * W I E * M T R W I * R A G E S V M
	Y M * V S S V G I I M V D
	T
	*

), [REDACTED] )

Fak  
c-A

## c-Abl

Tie  
Tek  
PDGFR-b  
PDGFR-a  
Flt1  
Flt4  
Flk1

Tie	S	T	L	Y	S	N	A	L
Tek	A	E	F	G	L	E	P	A
PDGFR-b	D	I	E	K	M	V	E	G
PDGFR-a	K	K	R	A	V	G	D	I
Flt1	R	F	D	F	T	Q	G	M
Flt4	G	S	I	W	I	D	*	V
Flk1	T	D	M	R		I		
	E	L	V			L		
	*	M	W			M		
		V	Y			A		
		R	K			*		
		W	*					
		Y						
		*						

**Figure 2D**

Flg	V E Y A S K G N L R E Y L Q A R R P P	G L E Y C Y N P S H N P
Bek	I D C G A R A Q I K D F I R G K K	A M D L S F D I N R V S
FGFR-3	L * F T M * W M N	P * F T P Q T C K P T
FGFR-4	M W G V V K	I V W I M V * L T S Q I L M T

Flg	E Q L
Bek	G P M
FGFR-3	D N I
FGFR-4	A V
	*

c-Met	L P Y M K H G D L R N F I R N E T H N P
c-Sea	I F I R A E I L H W L K A Q E R S
Ron	M W L C * M K Q Y M S P Q K Q
	V V S V I V Q D S T
	M T N D
	V G * N
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EGFR	T Q L M P F G C L L D Y V R E H K D N I
ErbB2	S N Y L Y A S I I E H I H Q N R G R L
ErbB3	I I L T M M * F L K D Q E A M
ErbB4	M V H V V W M N A Q V
	V W I * K
	F I G
	W M V

Ret	V E Y A K Y G S L R G F L R E S R K V G P G Y L G S G G S R N
	I D F G R F A T I K A W I K D T K R I A A F I A T A A T K Q
	L * W W M Y M * L W M
	M V V M V

Ret	S S L D H P D E R A L
	T T I E E D K G I
	M * * * M
	V V

Figure 2E

Syk  
Zap70  
MEMAE L G P L N K Y L Q Q N R H V I  
I D I G G G A I H R F I V G K K E E L  
L \* L D I M Q W M N N Q D I M  
V V A M V V I A R \* L V  
\* V L M  
A M D  
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Jak1  
Jak2  
Jak3  
Tyk2  
M E F L P S G S L K E Y L P K N K N K I  
I D Y I Y A C I R D F I Q R H R E R L  
L \* W M T T M \* W M N Q S A M  
V V F V V T Q V  
W  
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Jak1  
L E Y A P L G T V Y R E L Q K L S K F  
I D F G I A S I F K D I N R I T R W  
M \* W M L W \* M M Y  
V V M V V

Chk1  
L E Y C S G G E L F D R I E P D I G M  
I D F S T A A D I W E K L D E L A I  
M \* W \* M Y \* M \* \* M L  
V V V V V

IKK-1  
IKK-2  
M E Y C S G G D L R K L L N K P E N C C G L  
I D F S Q A A E I K R Y I Q Q F D Q S S A I  
L \* W T \* M I M R W \* M  
V N V M V N Y V  
V  
F  
W

DAPK  
L E L V A G G E L F D F L A E K E S L  
I D I I G A A D I W E W I G D R D T I  
M \* M L \* M Y \* Y M \* \* M  
V V M V V V

IRK  
M E L M A H G D L K S Y L R S L R P E A E N N P G R P P P T L  
I D I I G A E I R T F I K T I K D G D Q Q A K S I  
L \* M L \* M W M M \* \* M  
V V V V V V V

TGFβRII  
ACTRIIA  
ACTRIIB  
T A F H A K G N L Q E Y L T R H V I  
S G W E R A S I S D F I K A N I V  
Y D Q M T \* W M S G Q L L  
G T V V R K M M  
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**Figure 2F**

ALK1	T	H	Y	H	E	H	G	S	L	Y	D	F	L	Q	R	Q	T	L
ALK2	S	D	F		D	M	A	T	I	F	E	Y	I	K	L	T	S	V
ALK3		E	W		*	N			M	W	*	W	M	N	C	A		I
ALK4		*				I			V				V	R	S	Y		M
ALK5						L										K	N	
ALK6						V										I	S	
						Q										M	F	
																V	W	
																T	G	

Trk-NGFR	F	E	Y	M	R	H	G	D	L	N	R	F	L	R	S	H	G	P	D	A	K	L	L	A	G	G	E	D	V	A	P
TrkB	W	D	F	I	K		A	E	I	Q	K	W	I	K	A		A		E	G	V	I	M	V	E	A	N	P	P	T	E
TrkC	Y	*	W	L				*	M			Y	M		T			*		M	M	I	I	D		Q	E	R	Q	A	
				V					V			V			G					R	V	V	L	A		D	*	I	S	D	
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Trk-NGFR	P	L	L
TrkB	G	E	I
TrkC	A	I	M
		M	V
		V	
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DDR1	T	D	Y	M	E	N	G	D	L	N	Q	F	L	S	A	H	Q	L
DDR2	S	E	F	I	D	Q	A	E	I	Q	N	W	I	T	R		E	P
		*	W	L	*			*	M			Y	M	K		N	I	
				V					V			V	G			D	V	
																*	M	

ILK	T	H	W	M	P	Y	G	S	L	Y	N	V	L	H	E	G	T	N	F	V	V
	S		F	I		F	A	T	I	F	Q	I	I		D	A	S	Q	W	I	I
			Y	L		W			M	W		L	M		*				Y	L	L
				M					V			M	V								M

**Figure 3A**

20030302-2430001

Peptide <u>Akt1/Rac</u>	N-terminal	C-terminal
95 K014D001	Myristyl - G M E Y A N G G E L F F H L S R E R V F	- NH2
<u>ALK1</u>		
96 K048D101	Myristyl - G T H Y H E H G S L Y D F L Q R Q T L	- NH2
<u>Braf</u>		
97 K003D001	Acetyl - K K K K K K G G S S L Y H H L H I I E T K F	- NH2
98 K003D101	Myristyl - G T Q W S E G S S L Y H H L H I I E T K F	- NH2
<u>c-Abl</u>		
99 K061D101	Myristyl - G T E F M T Y G N L L D Y L R E C N R Q E V	- NH2
<u>c-Met</u>		
100 K073D101	Myristyl - G L P Y M K H G D L R N F I R N E T H N P	- NH2
<u>c-Raf</u>		
101 K001D101	Myristyl - G T Q W S E G S S L Y K H L H V Q E T K F	- NH2
102 K001D001	Acetyl - S S L Y K H L H V Q E T K F	- NH2
<u>c-Sea</u>		
103 K074D101	Myristyl - G L P Y M R H G D L R H F I R A Q E R S P	- NH2
<u>c-Src</u>		
104 K051D101	Myristyl - G T E Y M S K G S L L D F L K G E T G K Y L	- NH2
105 K051D001	Acetyl - G S L L D L K G E T G K F L	- NH2
<u>CDK2</u>		
106 K049D101	Myristyl - G F E F L H Q D L K K F M D A S A L T G I	- NH2
107 K049D001	Acetyl - D L K K F M D A S A L T G M	- NH2
<u>CDK4</u>		
108 K050D001	Acetyl - D L R T Y L D K A P P P G L	- NH2
109 K050D101	Myristyl - G F E H V D Q D L R T Y L D K A P P P G L	- NH2
<u>CDK6</u>		
110 K089D101	Myristyl - G F E H V D Q D L T T Y L D K V P E P G V	- NH2
<u>Chk1</u>		
111 K088D102	Myristyl - G E Y S S G G E L F D R I E P D I G M	- NH2
112 K088D101	Myristyl - G E Y A S G G E L F D R I E P D I G M	- NH2
<u>CK IIa</u>		
113 K022D001	Acetyl - K K K K K G G N N T D F K Q L Y Q T L	- NH2
114 K022D101	Myristyl - G F E H V N N T D F K Q L Y Q T L	- NH2



*[The page contains faint, illegible markings or bleed-through from the reverse side.]*

115 K058D101 Myristyl - G T E Y M A K G S L V D Y L R S R G R S V L - NH2  
116 K058D001 Acetyl - G S L V D L R S R G R S V L - NH2

117 K060D101 Myristyl - G M E L S T L G E L R S F L Q V R K Y S L -NH2

118 K071D101	Myristyl -	G G N L R E F L R A R R P P G L E	- NH2
119 K071D001	Acetyl -	G N L R E! F L R A R R P P G L E!	- NH2
120 K071D102	Myristyl -	G V E Y A A K G N L R E F L R A R R P P G L E	- NH2
121 K071D901	Stearyl -	G S F D T S K P P E E Q L	- NH2

122 K068D101	Myristyl -	G V E F S K F G N L S N F L R A K R N L F V P	- NH2
123 K068D101	Myristyl -	G G N L S N F L R A K R N L F V P	- NH2
124 K068D001	Acetyl -	G N L S N F L R A K R N L F V P	- NH2
125 K068D901	Stearyl -	G R F R Q G K D Y V G E L	- NH2

126 K018D003	Acetyl -	K K K K K K G G G V A R H Y S R A K Q T L P	- NH2
127 K018D002	Acetyl -	V A R H Y S R A K Q T L P	- NH2
128 K018D101	Myristyl -	G D Y V P E T V Y R V A R H Y S R A K Q T L	- NH2
129 K018D001	Acetyl -	R V A R H Y S R A K Q T	- NH2

130 K056D101 Myristyl - G T E F M A K G S L L D F L K S D E G S K Q -NH2

131 K087D101 Myristyl- G L E Y A P L G T V Y R E L Q K L S K F -NH2

132 K090D101 Myristyl - G M E Y S S G G D L R K L L N K P E N S S G L -NH2

133 K091D101 Myristyl - G M E Y S Q G G D L R K Y L N Q F E N S S G L -NH2

134 K107D101 Myristyl - G T H W M P Y G S L Y N V L H E G T N F V V -NH2  
135 K107D901 Stearyl - G Y N V L H E G T N F V V -NH2

**Figure 3C**

**IRK**

136 K094D101	Myristyl - G M E L M A H G D L K S Y L R S L R P	- NH2
137 K094D001	Acetyl - A Q N N P G R P P P T L	- NH2
138 K094D102	Myristyl - G L K S Y L R S L R P E A	- NH2
139 K094D103	Myristyl - G A E N N P G R P P P T L	- NH2
140 K094D104	Myristyl - G L R P E A E N N P G R P P P T L	- NH2

**Jak1**

141 K084D101	Myristyl - G M E F L P S G S L K E Y L P K N K N K I	- NH2
142 K084D102	Myristyl - G L K E Y L P K N K N K I	- NH2

**Jak2**

143 K085D102	Myristyl - G L R D Y L Q K H K E R I	- NH2
144 K085D105	Stearyl - G L R D Y L Q K H K E	- NH2

**Jak3**

145 K086D101	Myristyl - G M E Y L P S G S L R D F L Q R H R A L	- NH2
146 K086D102	Myristyl - G M E Y L P S G S L R D F L Q R H R A R L	- NH2
147 K086D103	Myristyl - G L R D F L Q R H R A R L	- NH2

**Lck**

148 K057D001	Acetyl - G S L V D L K T P S G I K L	- NH2
149 K057D101	Myristyl - G T E Y M E N G S L V D F L K T P S G I K L	- NH2

**Lyn**

150 K055D101	Myristyl - G T E Y M A K G S L L D F L K S D E G G K V	- NH2
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**MARK1**

151 K045D101	Myristyl - G M E Y A S G G E V F D Y L V A H G R M	- NH2
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**PDGFR-b**

152 K064D001	Acetyl - G D L V D Y L H R N K H T F L	- NH2
153 K064D101	Myristyl - G T E Y S R Y G D L V D Y L H R N K H T F L	- NH2

**PKCb**

154 K008D101	Myristyl - G M E Y V N G G D L M Y H I Q Q V G R F	- NH2
155 K008D001	Acetyl - K K K K K K G G D L M Y H I Q Q V G R F	- NH2

**Plk**

156 K035D001	Acetyl - R S L L E L H K R R K A	- NH2
157 K035D101	Myristyl - G R S L L E L H K R R K A	- NH2

Figure 3D

158 K035D102 Myristyl - G L E L S R R R S L L E L H K R R K A L - NH2  
Ret

159 K080D101 Myristyl - G V E Y A K Y G S L R G F L R E S R K V G P - NH2

160 K080D001 Acetyl - G S L R G F L R E S R K V G P - NH2  
Ron

161 K075D101 Myristyl - G L P Y M C H G D L L Q F I R S P Q R N P - NH2  
SNK

162 K038D101 Myristyl - G L E Y S S R R S M A H I L K A R K V L - NH2  
Syk

163 K082D101 Myristyl - G M E M A E L G P L N K Y L Q Q N R H V - NH2  
TGFbRII

164 K093D101 Myristyl - G T A F H A K G N L Q E Y L T R H V I - NH2  
TrkB

165 K102D101 Myristyl - G F E Y M K H G D L N K F L R A H G P D A V L M A - NH2

166 K102D106 Myristyl - G L R A H G P D A V L M A - NH2

167 K102D107 Myristyl - G L R A H G P D A V L - NH2

168 K102D108 Myristyl - G L N F K L R A H G P D A - NH2

169 K102D109 Myristyl - G F K L R A H G P D A V L - NH2  
Zap70

170 K083D101 Myristyl - G M E M A G G G P L H K F L V G K R E E I - NH2

% change in daily food  
consumption (g/mouse/d)

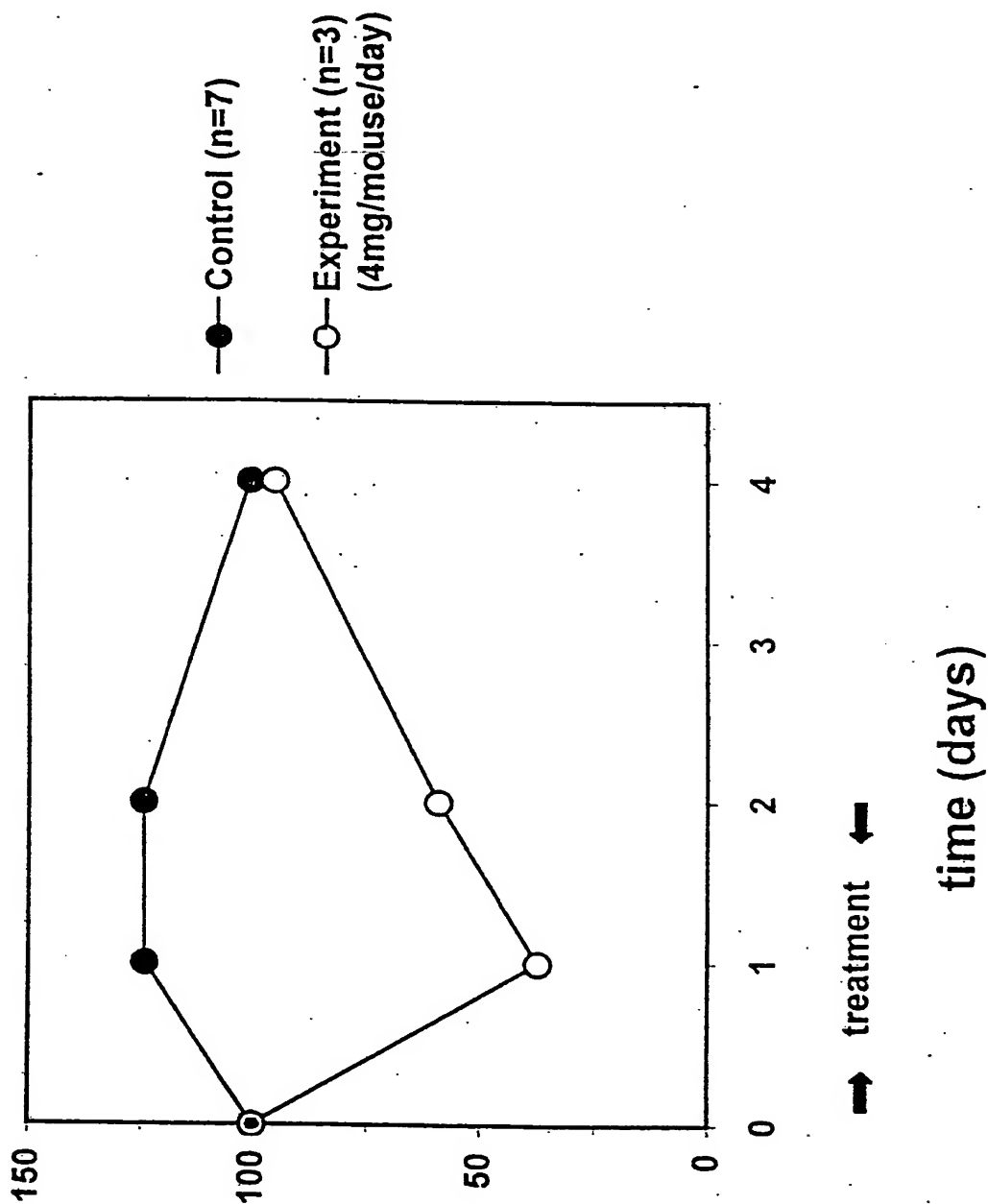


Figure 4

% change in body weight

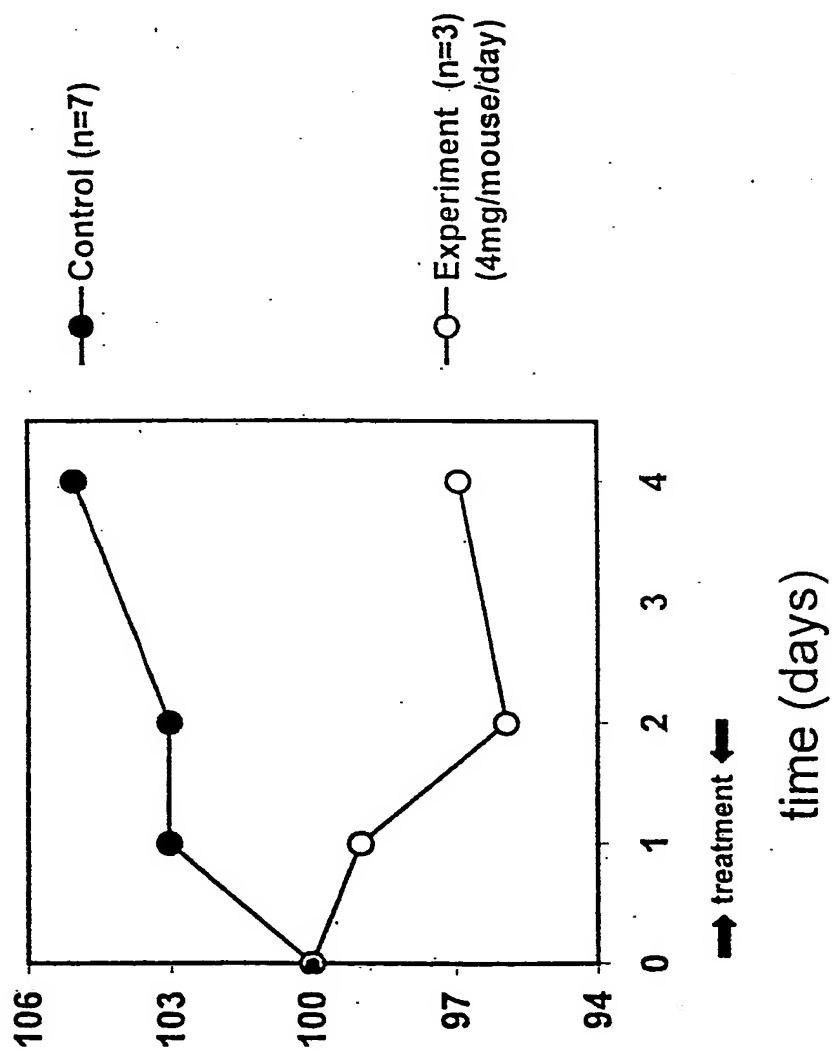


Figure 5

# MODULATION OF TH1/TH2 DIFFERENTIATION BY A JAK-DERIVED PEPTIDE

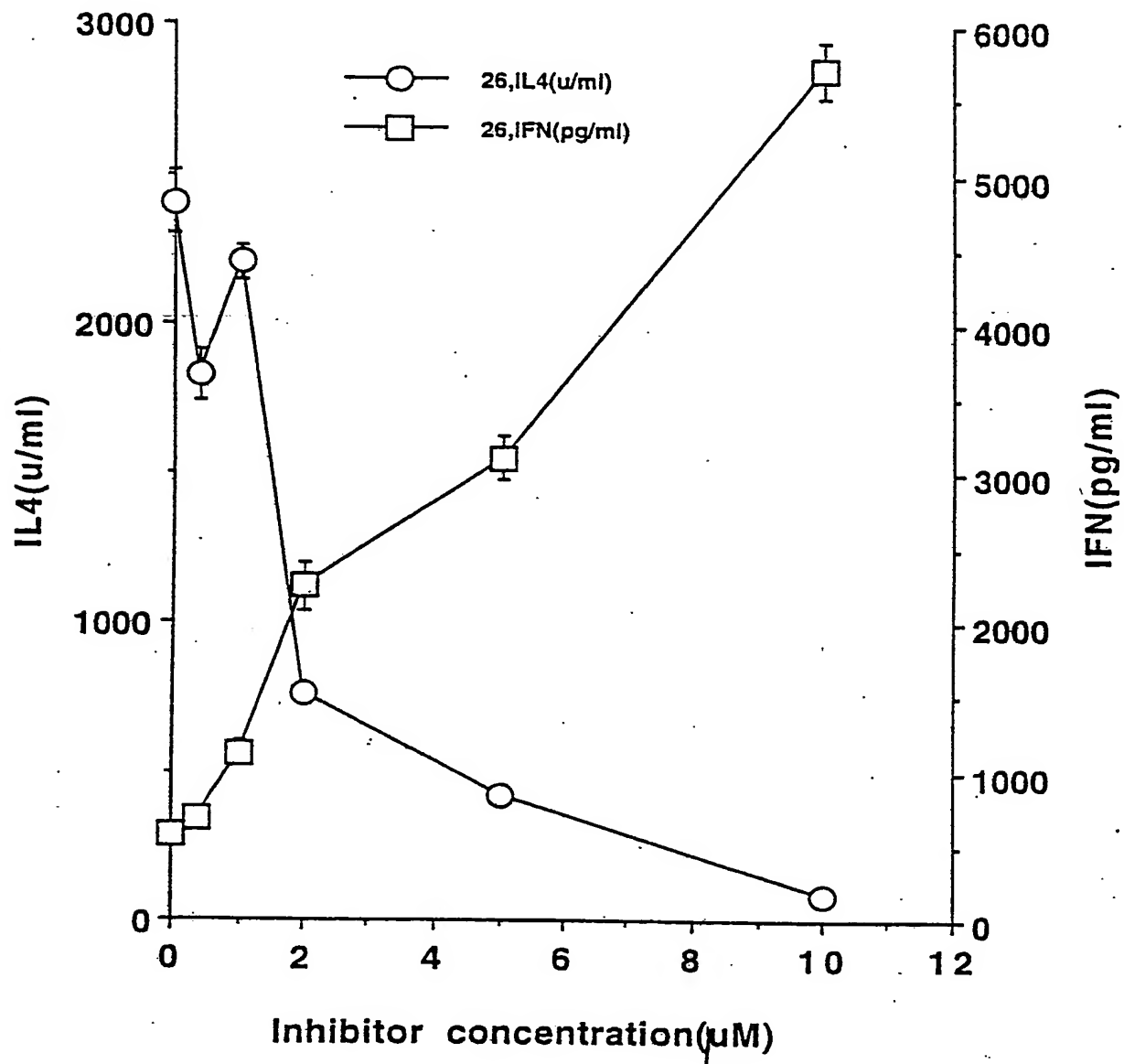


Figure 6

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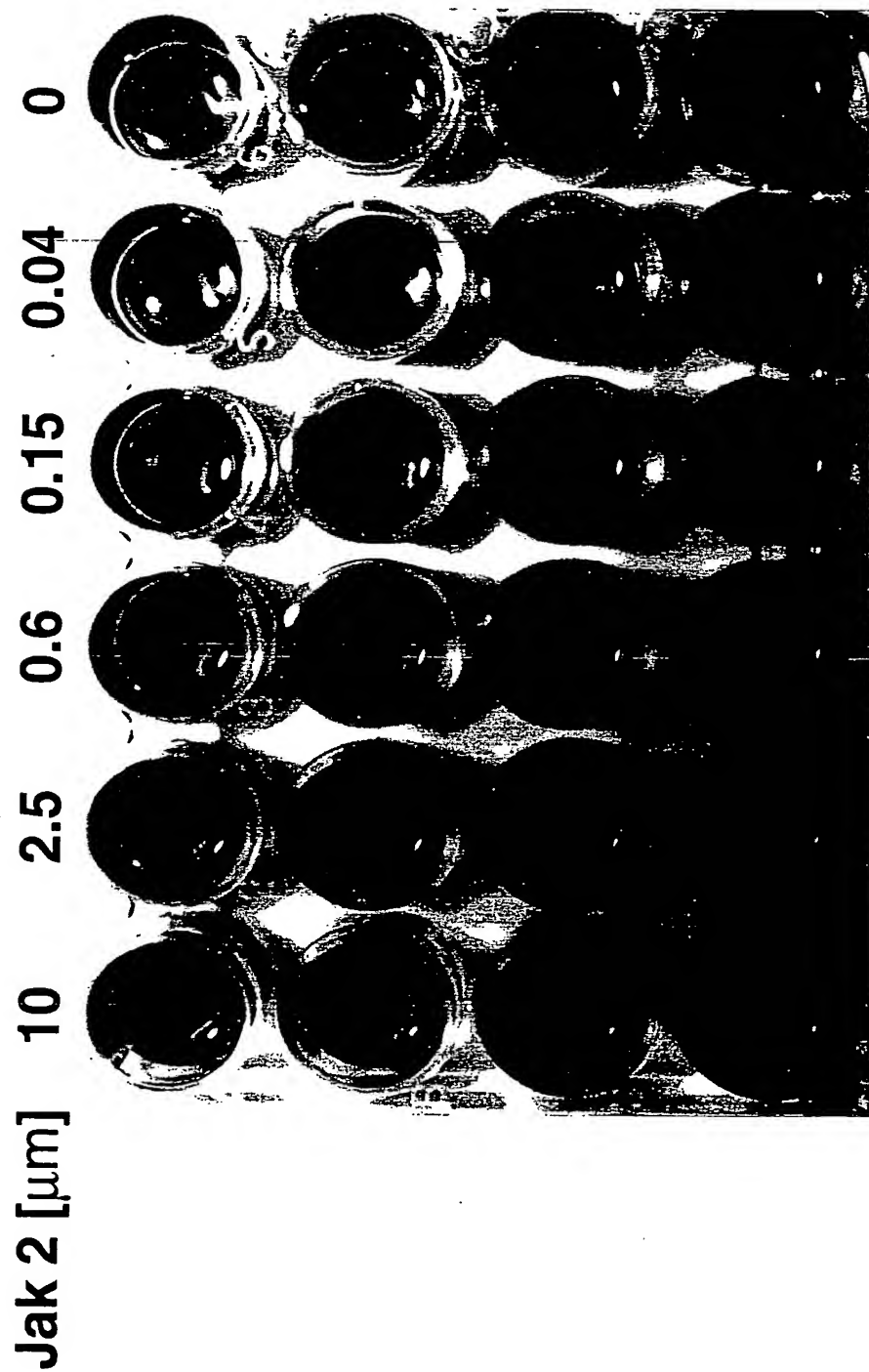


Fig. 7